

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

14 JAN 2004



WIPO PCT

28 SEP 2005

Applicant's or agent's file reference HJFI20020625	<b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/PEA/416)	
International application No. PCT/FI 03/00247	International filing date ( <i>day/month/year</i> ) 31.03.2003	Priority date ( <i>day/month/year</i> ) 02.04.2002
International Patent Classification (IPC) or both national classification and IPC B65H19/22		
Applicant METSO PAPER, INC. et al.		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of 5 sheets, including this cover sheet.  
  
☐ This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).  
  
 These annexes consist of a total of    sheets.

3. This report contains indications relating to the following items:
  - I    ☒ Basis of the opinion
  - II   ☐ Priority
  - III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
  - IV   ☐ Lack of unity of invention
  - V    ☒ Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
  - VI   ☐ Certain documents cited
  - VII ☐ Certain defects in the international application
  - VIII ☐ Certain observations on the international application

Date of submission of the demand  07.10.2003	Date of completion of this report  12.01.2004
Name and mailing address of the international preliminary examining authority:   European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465	Authorized Officer  Kising, A  Telephone No. +49 89 2399-2174  

**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT**

International application No. **PCT/FI 03/00247**

**I. Basis of the report**

1. With regard to the **elements** of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)*):

**Description, Pages**

1-8 as originally filed

**Claims, Numbers**

1-16 as originally filed

**Drawings, Sheets**

1/4-4/4 as originally filed

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- ☐ the description, pages:
- ☐ the claims, Nos.:
- ☐ the drawings, sheets:

**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT**

International application No. **PCT/FI 03/00247**

---

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)).

*(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)*

6. Additional observations, if necessary:

**V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

1. Statement

Novelty (N)	Yes: Claims	1-16
	No: Claims	
Inventive step (IS)	Yes: Claims	1-16
	No: Claims	
Industrial applicability (IA)	Yes: Claims	1-16
	No: Claims	

2. Citations and explanations

**see separate sheet**

**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT - SEPARATE SHEET**

---

International application No. PCT/FI03/00247

Document US 2 772 838 A (D1), which is considered to represent the most relevant state of the art, discloses (see figs. 1-11 and col. 2, line 58 to col. 4, line 34) a method in connection with winding a paper or board web which differs from the subject-matter of claim 1 in that an empty core/cores is/are placed on support of the winding drums prior to the insertion of a winding shaft.

The object of the invention is a compact and less complicated method and device.

In D1 the core is first positioned on an extra support being located next to the winding drums. Then a shaft is inserted into the core and the shaft with the core are shifted onto the winding drums. Therein an additional device is necessary to remove and insert said shaft.

US 5 535 493 A (D2) merely discloses a device for the insertion and removal of shafts without any hint for a winding station and the positioning of the cores onto winding drum prior to the insertion of a shaft.

The further cited documents of the Int. Search report are more remote from the subject-matter of claim 1.

Therefore, these teachings do not disclose all the features of claim 1 and would also not lead a person skilled in the art to transform the method according to D1 in a way as defined in claim 1 of the present application.

Consequently, independent claim 1 meets the criteria of novelty and inventive step according to Art. 33(2) and 33(3) PCT.

Since the second independent claim 6 is directed to device comprising the corresponding features as defined in claim 1, the subject-matter of this claim also meets the aforementioned required criteria.

Dependent claims 2-5 and 7-16 concern particular embodiments of the method or device as defined in claims 1 or 6. Therefore they do also meet the afore-mentioned required criteria.

Since the invention is considered to be industrially applicable, it furthermore meets the

**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT - SEPARATE SHEET**

---

International application No. PCT/FI03/00247

requirements of Art. 33(4) PCT.